

Serial No.: 09/103,287

Group Art Unit: 1633

In the Specification:

Please amend the specification to replace the existing sequence listing with the substitute sequence listing submitted concurrently herewith.

In the Claims:

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TENTATIVE

Please amend the claims as follows:

18. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2.

19. A vector comprising the isolated polynucleotide segment of claim 18.

20. An isolated host cell comprising the vector of claim 19.

21. A process for producing a polypeptide comprising the step of culturing the host cell of claim 20 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

B 1
22. (Amended) An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide consisting of [an] the amino acid sequence of SEQ ID NO:2.

23. A vector comprising the isolated polynucleotide segment of claim 22.

24. An isolated host cell comprising the vector of claim 23.

25. A process for producing a polypeptide comprising the step of culturing the host cell of claim 24 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

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26. (Amended) An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence wherein the first polynucleotide sequence [is identical to] comprises SEQ ID NO:1.

27. A vector comprising the isolated polynucleotide segment of claim 26.

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28. An isolated host cell comprising the vector of claim 27.

29. A process for producing a polypeptide comprising the step of culturing the host cell of claim 28 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

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30. (Amended) [A] The isolated polynucleotide of claim 26 [which encodes] encoding
a fusion polypeptide , wherein the first polynucleotide sequence encodes part of the fusion
polypeptide [and which includes the isolated polynucleotide segment of claim 26].

31. An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:4.

32. A vector comprising the isolated polynucleotide segment of claim 31.

33. An isolated host cell comprising the vector of claim 32.

34. A process for producing a polypeptide comprising the step of culturing the host cell of claim 33 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

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35. (Amended) An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence, wherein the first polynucleotide sequence encodes a polypeptide consisting of [an] the amino acid sequence of SEQ ID NO:4.

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36. A vector comprising the isolated polynucleotide segment of claim 35.

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37. An isolated host cell comprising the vector of claim 36.

38. A process for producing a polypeptide comprising the step of culturing the host cell of claim 37 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.

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39. (Amended) An isolated polynucleotide segment comprising a first polynucleotide sequence or the full complement of the entire length of the first polynucleotide sequence wherein the first polynucleotide sequence [is identical to] comprises SEQ ID NO:3.

40. A vector comprising the isolated polynucleotide segment of claim 39.

41. An isolated host cell comprising the vector of claim 40.

42. A process for producing a polypeptide comprising the step of culturing the host cell of claim 41 under conditions sufficient for the production of the polypeptide, wherein the polypeptide is encoded by the first polynucleotide sequence.